

**Flood Control Project Maintenance  
Levee Inspections****LMA District Cover Sheet****Spring 2014 Levee Inspection Results****Sacramento River West Side Levee District**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*  
**SPRING INSPECTIONS:** Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

**FALL INSPECTIONS:** The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2014 Levee Inspection Results**

**Sacramento River West Side Levee District**

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Right	50.21
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/24/2014 - 04/24/2014			
DWR Inspector	John Williamson			
Accompanied By	Chad Navarrot RD 108			
	Alfonso Figueroa RD 108			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start		Rating **	A	Issue No.	27
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				°
					°
DWR ID	DWR_NA0016_01_s _ 2013_27				
Action/Comments					

No Photos

LM Start		Rating **	A	Issue No.	28
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				°
					°
DWR ID	DWR_NA0016_01_s _ 2013_28				
Action/Comments					

No Photos

LM Start		Rating **	A	Issue No.	35
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				°
					°
DWR ID	DWR_NA0016_01_s _ 2013_35				
Action/Comments					

No Photos

**\* Location**  
LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	0.14	Rating **	M	Issue No.	4
LM End	0.14	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801471 °	38.801471 °
				-121.725171 °	-121.725171 °
DWR ID	DWR_NA0016_01_s _ 2014_4				
Action/Comments					
Inspector Comments: FS_ID:10087					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Headwall on WS undermined about 3-4-feet.					
FIELD_STRUCT_DESC: 1 of 3: 36-inch steel drainage pipe through					
levee 30.0 feet below crown. Flap gate on the waterward end. 24-inch					
pipe sleeved through the 36-inch pipe. Annular space between pipes					
grouted. Pumps in pumphouse with walkway on LS toe. Originally					
included in the 1960 O&M manual.					
FS Date: 3/12/2013					

Photo 1 of 1 : UCIP\_278.jpg



Pumphouse at LS toe.

LM Start	0.14	Rating **	M	Issue No.	24
LM End	0.14	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801491 °	38.801491 °
				-121.725184 °	-121.725184 °
DWR ID	DWR_NA0016_01_s _ 2014_24				
Action/Comments					
Inspector Comments: FS_ID:10910					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Headwall undermined 3-4-feet on WS toe.					
FIELD_STRUCT_DESC: 3 of 3: 36-inch steel drainage pipe through levee 30.0 feet below crown. Flap gate on the waterward end. 24-inch pipe sleeved through the 36-inch pipe. Annular space between pipes grouted. Pumps in pumphouse with walkway on LS toe. Originally included in the 1960 O&M manual.					
FS Date: 3/12/2013					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	0.14	Rating **	M	Issue No.	25
LM End	0.14	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.801479 °	38.801479 °
				-121.725176 °	-121.725176 °
DWR ID	DWR_NA0016_01_s _ 2014_25				
Action/Comments					
Inspector Comments: FS_ID:10085					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Headwall undermined 3-4-feet on WS toe.					
FIELD_STRUCT_DESC: 2 of 3: 36-inch steel drainage pipe through					
levee 30.0 feet below crown. Flap gate on the waterward end. 24-inch					
pipe sleeved through the 36-inch pipe. Annular space between pipes					
grouted. Pumps in pumphouse with walkway on LS toe. Originally					
included in the 1960 O&M manual.					
FS Date: 3/12/2013					

No Photos

LM Start	0.28	Rating **	M	Issue No.	80
LM End	50.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.802765 °	39.213687 °
				-121.724150 °	-122.000055 °
DWR ID	DWR_NA0016_01_s _ 2014_80				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : johngw\_s\_20140428\_864.jpg



Tall grasses partially blocks visibility. Spring 2014

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

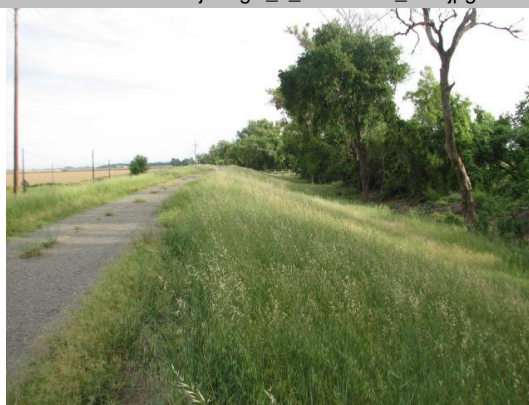
**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	0.28	Rating **	M	Issue No.	81
LM End	50.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.802765 °	39.213692 °
				-121.724151 °	-122.000055 °
DWR ID	DWR_NA0016_01_s _ 2014_81				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : johngw\_s\_20140428\_865.jpg



Tall grasses partially blocks visibility. Spring 2014

LM Start	0.46	Rating **	M	Issue No.	36
LM End	0.46	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.805353 °	38.805353 °
				-121.724207 °	-121.724207 °
DWR ID	DWR_NA0016_01_s _ 2014_36				
Action/Comments					
Inspector Comments: FS_ID:10103 EP_NO: 1331 Repair Type: Crossing Status: UCIP Comments: There is no gate in the slide gate at the concrete distribution box off the landside toe. This may not be an issue as there is a slide gate at the WS toe. FIELD_STRUCT_DESC: 54-inch corrugated metal irrigation pipe through levee 28.0 feet below crown. Vertical pumps on pile structure in the stream, walkway to pumps. Flap gates from pumps and slide gate inside a 7'X10-foot concrete surge box on the waterward side, 1948 installation. 15'X18-foot concrete distribution box 150-feet off landside toe with slide gate. (Permit No. 1331, 1948). Included in 1960 O&M manual. FS Date: 3/25/2013 7:36:51 AM					

Photo 1 of 1 : UCIP\_281.jpg



Pumping plant with concrete surge box and slide gate in foreground-off WS toe.

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	1.28	Rating **	A/W	Issue No.	82
LM End	1.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.817036 °	38.817036 °
				-121.725410 °	-121.725410 °
DWR ID	DWR_NA0016_01_s _ 2014_82				
Action/Comments					
Trees / Woody Vegetation					

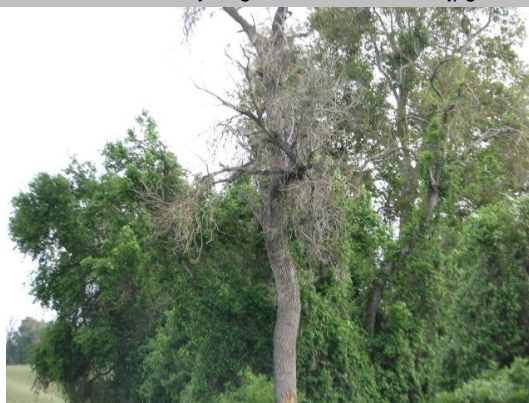
Photo 1 of 1 : johngw\_s\_20140428\_866.jpg



Monitor trees that could pose a threat to the integrity of the levee. Spring 2014

LM Start	1.32	Rating **	A/W	Issue No.	83
LM End	1.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.817781 °	38.817781 °
				-121.725466 °	-121.725466 °
DWR ID	DWR_NA0016_01_s _ 2014_83				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 1 : johngw\_s\_20140428\_867.jpg



Monitor trees that pose a future threat to the integrity of the levee. Spring 2014

LM Start	1.88	Rating **	A/W	Issue No.	84
LM End	1.88	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.825534 °	38.825534 °
				-121.724749 °	-121.724749 °
DWR ID	DWR_NA0016_01_s _ 2014_84				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 1 : johngw\_s\_20140428\_868.jpg



Monitor trees that pose a future threat to the integrity of the levee. Spring 2014

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	2.42	Rating **	M	Issue No.	1550
LM End	2.42	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.832203 °	38.832203 °
				-121.729278 °	-121.729278 °
DWR ID	DWR_NA0016_01_f_2013_1550				
Action/Comments					
Debris					

Photo 1 of 2 : johngw\_s\_20140414\_769.jpg



Debris is collected along landside levee toe. Fall 2013

LM Start	<b>2.42</b>	Rating **	M	Issue No.	<b>1550 (cont)</b>
LM End	<b>2.42</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : johngw\_s\_20140428\_869.jpg



Pieces of machinery and debris at the levee toe. Spring 2014

LM Start	2.46	Rating **	M	Issue No.	85
LM End	2.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.832698 °	38.832698 °
				-121.729785 °	-121.729785 °
DWR ID	DWR_NA0016_01_s_2014_85				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

Photo 1 of 1 : johngw\_s\_20140428\_870.jpg

Bait station near rodent holes. Rodent holes need to be backfilled.  
Spring 2014

**\* Location**  
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CR : Crown

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N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	2.47	Rating **	C	Issue No.	5
LM End	2.47	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.832775 °	38.832775 °
				-121.729845 °	-121.729845 °
DWR ID	DWR_NA0016_01_f_2012_5				
Action/Comments					
Equipment					
Inspector Comments: Equipment and waste oil at the toe of levee.					

No Photos

LM Start	2.82	Rating **	M	Issue No.	6
LM End	2.82	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.837300 °	38.837300 °
				-121.731775 °	-121.731775 °
DWR ID	DWR_NA0016_01_f_2012_6				
Action/Comments					
Landscaping					
Inspector Comments: River Garden Farms					

Photo 1 of 1 : johngw\_s\_20140414\_723.jpg



Landscaping along the slope at River Gardens Farms. Fall 2013

LM Start	3.17	Rating **	A/W	Issue No.	86
LM End	3.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.841283 °	38.841283 °
				-121.728827 °	-121.728827 °
DWR ID	DWR_NA0016_01_s_2014_86				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 1 : johngw\_s\_20140428\_871.jpg

Monitor trees that pose a future threat to the integrity of the levee.  
Spring 2014**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	3.59	Rating **	A/W	Issue No.	8
LM End	3.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.846767 °	38.850758 °
				-121.729943 °	-121.725263 °
DWR ID	DWR_NA0016_01_s_2012_8				
Action/Comments					
Ditch					
Inspector Comments: concrete lined					

Photo 1 of 1 : johngw\_s\_20140414\_727.jpg



A concrete lined ditch runs along the toe of the levee. Fall 2013

LM Start	4.63	Rating **	M	Issue No.	1551
LM End	4.63	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.856995 °	38.856995 °
				-121.730938 °	-121.730938 °
DWR ID	DWR_NA0016_01_f_2013_1551				
Action/Comments					
Debris					

Photo 1 of 3 : johngw\_s\_20140414\_770.jpg



A pile of wood trimmings lay along the toe of the levee. Fall 2013

LM Start	<b>4.63</b>	Rating **	M	Issue No.	<b>1551 (cont)</b>
LM End	<b>4.63</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : johngw\_s\_20140414\_771.jpg



Dumping more debris along with tree trimmings. Fall 2013

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	4.63	Rating **	M	Issue No.	1551 (cont)
LM End	4.63	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.856995 °	38.856995 °
				-121.730938 °	-121.730938 °
DWR ID	DWR_NA0016_01_f_2013_1551				
Action/Comments					
Debris					

Photo 3 of 3 : johngw\_s\_20140428\_872.jpg



On going debris pile at the of the levee. Spring 2014

LM Start	4.71	Rating **	C	Issue No.	1552
LM End	4.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.858025 °	38.858025 °
				-121.731383 °	-121.731383 °
DWR ID	DWR_NA0016_01_f_2013_1552				
Action/Comments					
Pipe					

No Photos

LM Start	4.85	Rating **	A/W	Issue No.	9
LM End	4.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.859419 °	38.859419 °
				-121.732708 °	-121.732708 °
DWR ID	DWR_NA0016_01_s_2012_9				
Action/Comments					
Fence					
Inspector Comments: chain link fence runs along levee					

Photo 1 of 1 : johngw\_s\_20140414\_728.jpg



The chain link fence runs along the toe but does not obstruct the view.  
Photo taken spring 2012.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	6.66	Rating **	A/W	Issue No.	87
LM End	6.66	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.867788 °	38.867788 °
				-121.758198 °	-121.758198 °
DWR ID	DWR_NA0016_01_s _ 2014_87				
Action/Comments					
Trees / Woody Vegetation					

Photo 1 of 1 : johngw\_s\_20140428\_873.jpg



Monitor trees that may pose a future threat to the integrity of the levee.  
Spring 2014

LM Start	6.89	Rating **	M	Issue No.	37
LM End	6.89	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.864862 °	38.864862 °
				-121.757516 °	-121.757516 °
DWR ID	DWR_NA0016_01_s _ 2014_37				
Action/Comments					
Inspector Comments: FS_ID:10129					
EP_NO: 1297					
Repair Type:					
Crossing Status:					
UCIP Comments: Leak at flowmeter on WS berm may become problem in near future.					
FIELD_STRUCT_DESC: 2 of 2: 16-inch steel pipe through levee 5.2 feet below crown. Slant pumps in metal pump house on the waterward bank, supported on steel structure. Pipes discharge into 9.5'x12' concrete distribution box on the landward side. Sparline flow meter on pipes near the waterward toe. (Permit No. 1297, 1948). Also included in the 1960 O&M manual and ABO No. 8501.					
FS Date: 3/12/2013					

Photo 1 of 1 : UCIP\_285.jpg



Pumphouse and steps on WS.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	7.37	Rating **	C	Issue No.	1553
LM End	7.37	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.861457 °	38.861457 °
				-121.760702 °	-121.760702 °
DWR ID	DWR_NA0016_01_f_2013_1553				
Action/Comments					
Tree or limb					

No Photos

LM Start	7.94	Rating **	M	Issue No.	38
LM End	7.94	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.861018 °	38.861018 °
				-121.769651 °	-121.769651 °
DWR ID	DWR_NA0016_01_s_2014_38				
Action/Comments					
Inspector Comments: FS_ID:10144					
EP_NO: 18206					
Repair Type:					
Crossing Status:					
UCIP Comments: Flap gates rusted through at concrete distribution box on LS toe.					
FIELD_STRUCT_DESC: 1 of 2: 20-inch steel pipe through levee 4.7 feet below crown (Permit No. 18206, 2007). Two slant pumps in pump house on the waterward berm. Siphon breakers in corrugated metal riser units on the shoulder. Flap gate on both pipes in concrete distribution box on the landward side. Wooden steps on both slopes. Replaced 20-inch pipe installed under Permit No. 9377.					
FS Date: 3/13/2013					

Photo 1 of 1 : UCIP\_294.jpg



Stairs and pump on WS.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	7.94	Rating **	M	Issue No.	39
LM End	7.94	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.861017 °	38.861017 °
				-121.769658 °	-121.769658 °
DWR ID	DWR_NA0016_01_s_2014_39				
Action/Comments					
Inspector Comments: FS_ID:10143					
EP_NO: 18206					
Repair Type:					
Crossing Status:					
UCIP Comments: Flap gates rusted through at LS distribution box.					
FIELD_STRUCT_DESC: 2 of 2: 16-inch steel pipe through levee 4.7					
feet below crown (Permit No. 18206, 2007). Two slant pumps in pump					
house on the waterward berm. Siphon breakers in corrugated metal					
riser units on the shoulder. Flap gate on both pipes in concrete					
distribution box on the landward side. Wooden steps on both slopes.					
Replaced 16-inch pipe installed under Permit No. 9377.					
FS Date: 3/13/2013					

No Photos

LM Start	8.15	Rating **	M	Issue No.	1554
LM End	8.74	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.860610 °	38.856293 °
				-121.773392 °	-121.782097 °
DWR ID	DWR_NA0016_01_f_2013_1554				
Action/Comments					
Firewood					
Inspector Comments: Tree removal along toe of levee. Firewood stacked and will be removed at a later date.					

Photo 1 of 3 : johngw\_s\_20140414\_774.jpg



Firewood stacked along the toe of the levee. Fall 2013

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	8.15	Rating **	M	Issue No.	1554 (cont)
LM End	8.74	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.860610 °	38.856293 °
				-121.773392 °	-121.782097 °
DWR ID	DWR_NA0016_01_f_2013_1554				
Action/Comments					
Firewood					
Inspector Comments: Tree removal along toe of levee. Firewood stacked and will be removed at a later date.					

Photo 2 of 3 : johngw\_s\_20140414\_775.jpg



Firewood and brush along the toe of the levee. Removal and thinning trees at the toe. Fall 2013

LM Start	<b>8.15</b>	Rating **	M	Issue No.	<b>1554 (cont)</b>
LM End	<b>8.74</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : johngw\_s\_20140428\_874.jpg



Tree thinning and firewood stacked along the toe of the levee. Spring 2014

LM Start	8.56	Rating **	M	Issue No.	88
LM End	8.74	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.858258 °	38.856306 °
				-121.779971 °	-121.782047 °
DWR ID	DWR_NA0016_01_s_2014_88				
Action/Comments					
Prunings					

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
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U : Unacceptable  
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C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	9.31	Rating **	M	Issue No.	40
LM End	9.31	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.860993 °	38.860993 °
				-121.784840 °	-121.784840 °
DWR ID	DWR_NA0016_01_s _ 2014_40				
Action/Comments					
Inspector Comments: FS_ID:10150					
EP_NO: 1641					
Repair Type:					
Crossing Status:					
UCIP Comments: Meter removed from pipe on WS and pipe open.					
Appears abandoned. Pipe should be abandoned properly.					
FIELD_STRUCT_DESC: 14-inch steel pipe through levee 5.2 feet					
below crown. Pump on concrete pump platform on the bank. Siphon					
breaker on the landward slope. Sparling flow meter on pipe on the					
waterward slope. 42 inch concrete standpipe in concrete distribution					
box at the landward toe. (Permit No. 1641, 1959). Included in the 1960					
O&M Manual.					
FS Date: 3/13/2013					

Photo 1 of 1 : UCIP\_300.jpg



Concrete riser on LS toe.

LM Start	9.72	Rating **	M	Issue No.	1555
LM End	9.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.862457 °	38.862457 °
				-121.790273 °	-121.790273 °
DWR ID	DWR_NA0016_01_f_2013_1555				
Action/Comments					
Repair the levee slope damaged by livestock and prevent large animal access.					

Photo 1 of 1 : johngw\_s\_20140414\_776.jpg



Serval rodent holes at the toe of the levee. Fall 2013

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

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U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	9.78	Rating **	A/W	Issue No.	29
LM End	9.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.862320 °	38.862848 °
				-121.791243 °	-121.793267 °
DWR ID	DWR_NA0016_01_s_2012_29				
Action/Comments					
Environmental Requirements.					

Photo 1 of 2 : johngw\_s\_20140414\_756.jpg



Revegetation site. Photo taken spring 2012.

LM Start	<b>9.78</b>	Rating **	A/W	Issue No.	<b>29 (cont)</b>
LM End	<b>9.90</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : johngw\_s\_20140414\_757.jpg



The revegetation site along the berm.

LM Start	10.03	Rating **	M	Issue No.	1
LM End	11.51	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.875109 °	38.874854 °
				-121.813592 °	-121.813018 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Toe damage and loss of cobble revetment					

Photo 1 of 1 : USACE2013A\_SAC\_101-3\_R\_3.jpg



USACE 2013 Photo #1

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	11.83	Rating **	M	Issue No.	966
LM End	11.83	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.876807 °	38.876807 °
				-121.816028 °	-121.816028 °
DWR ID	DWR_NA0016_01_s _ 2012_966				
Action/Comments					
Crops					
Inspector Comments: New walnut orchard between toe and river with approximately 80-90 trees.					

Photo 1 of 1 : johngw\_s\_20140414\_768.jpg



Walnut orchard planted on the waterside berm. Fall 2012

LM Start	12.35	Rating **	A/W	Issue No.	14
LM End	12.35	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.883807 °	38.883807 °
				-121.817543 °	-121.817543 °
DWR ID	DWR_NA0016_01_s _ 2012_14				
Action/Comments					
Building					

Photo 1 of 1 : johngw\_s\_20140414\_739.jpg



The rice silos are on top of the levee crown. Photo taken spring 2012.

\* Location  
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WS : Water Side  
CR : Crown

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U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	16.39	Rating **	M	Issue No.	44
LM End	16.39	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.923407 °	38.923407 °
				-121.834588 °	-121.834588 °
DWR ID	DWR_NA0016_01_s _ 2014_44				
Action/Comments					
Inspector Comments: FS_ID:10203					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Need to determine if this is a permitted crossing as it was not previously noted. Need to determine size and depth below the crown.					
FIELD_STRUCT_DESC: Gas line through levee at unknown depth below the crown. Marker on WS shoulder.					
FS Date: 3/13/2013					

Photo 1 of 1 : UCIP\_302.jpg



Gasline marker on WS shoulder.

LM Start	18.10	Rating **	M	Issue No.	45
LM End	18.10	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.942979 °	38.942979 °
				-121.837030 °	-121.837030 °
DWR ID	DWR_NA0016_01_s _ 2014_45				
Action/Comments					
Inspector Comments: FS_ID:11323					
EP_NO: 18026					
Repair Type:					
Crossing Status:					
UCIP Comments: Conduit needs to be located and signs installed where it crosses the levee crown.					
FIELD_STRUCT_DESC: Electric Conduit through the levee at unknown depth. Signage on LS shoulder. (Permit No. 18026, 2007)					
FS Date: 3/13/2013					

Photo 1 of 1 : UCIP\_454.jpg



Sign on LS shoulder.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	18.41	Rating **	A/W	Issue No.	15
LM End	18.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.946742 °	38.950180 °
				-121.837557 °	-121.837760 °
DWR ID	DWR_NA0016_01_s _ 2012_15				
Action/Comments					
Ditch					
Inspector Comments: concrete lined					

Photo 1 of 1 : johngw\_s\_20140414\_740.jpg



A concrete lined ditch. Fall 2012

LM Start	18.75	Rating **	A/W	Issue No.	16
LM End	18.75	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.951400 °	38.951400 °
				-121.838255 °	-121.838255 °
DWR ID	DWR_NA0016_01_s _ 2012_16				
Action/Comments					
Building					

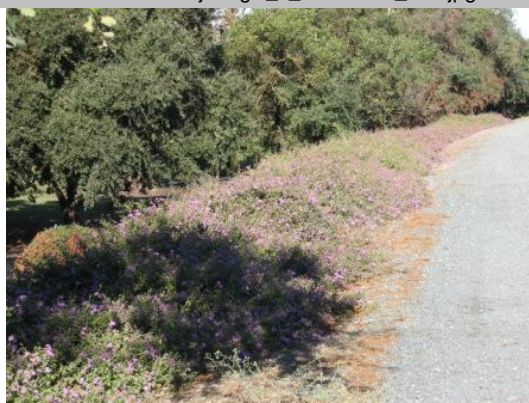
Photo 1 of 1 : johngw\_s\_20140414\_741.jpg



Another rice mill on the crown. Photo taken spring 2012.

LM Start	18.89	Rating **	M	Issue No.	18
LM End	18.89	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.952925 °	38.952925 °
				-121.840010 °	-121.840010 °
DWR ID	DWR_NA0016_01_s _ 2012_18				
Action/Comments					
Landscaping					

Photo 1 of 1 : johngw\_s\_20140414\_744.jpg



Groundcover and trees with irrigation are planted on the levee slope. Fall 2011.

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
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U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

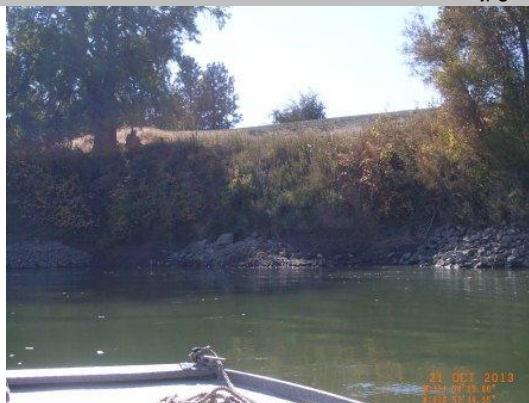
**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	18.98	Rating **	M	Issue No.	2
LM End	18.98	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.954060 °	38.954312 °
				-121.840560 °	-121.840774 °
DWR ID					
Action/Comments					
Inspector Comments: 2009 - Minor erosion, should be repaired under maintenance. 2011 - Some new minor erosion at the toe. 2013: No observed changes. [2013 Site ID: SAC_111-0_R]					

Photo 1 of 1 : USACE2013A\_SAC\_111-0\_R\_1.jpg



USACE 2013 Photo #1

LM Start	19.04	Rating **	A/W	Issue No.	22
LM End	19.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.954756 °	38.955499 °
				-121.841432 °	-121.841271 °
DWR ID	DWR_NA0016_01_s_2012_22				
Action/Comments					
Ditch Inspector Comments: concrete lined					

No Photos

LM Start	19.22	Rating **	M	Issue No.	23
LM End	19.22	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.956330 °	38.956330 °
				-121.839277 °	-121.839277 °
DWR ID	DWR_NA0016_01_s_2012_23				
Action/Comments					
Building					

Photo 1 of 1 : johngw\_s\_20140414\_754.jpg



Another rice mill on the crown. Photo taken spring 2012.

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	19.35	Rating **	M	Issue No.	26
LM End	19.35	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.957232 °	38.957232 °
				-121.837258 °	-121.837258 °
DWR ID	DWR_NA0016_01_s _ 2012_26				
Action/Comments					
Equipment					

Photo 1 of 1 : johngw\_s\_20140414\_755.jpg



There is equipment on the levee crown and shoulder in the trees. Fall 2011.

LM Start	19.36	Rating **	A/W	Issue No.	31
LM End	20.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.957332 °	38.966719 °
				-121.837043 °	-121.835880 °
DWR ID	DWR_NA0016_01_s _ 2012_31				
Action/Comments					
Ditch					

Photo 1 of 1 : johngw\_s\_20140414\_760.jpg



The concrete lined agricultural ditch runs along the toe. Fall 2011.

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	19.72	Rating **	M	Issue No.	48
LM End	19.72	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.961221 °	38.961221 °
				-121.833230 °	-121.833230 °
DWR ID	DWR_NA0016_01_s _ 2014_48				
Action/Comments					
Inspector Comments: FS_ID:10253					
EP_NO: 1507					
Repair Type:					
Crossing Status:					
UCIP Comments: Pipe appears abandoned. Needs to be abandoned properly.					
FIELD_STRUCT_DESC: 14-inch steel irrigation pipe through levee 8.4 feet below crown. Gate valve on the waterward side, siphon breaker in 24-inch CMP riser on the landward slope. Concrete distribution box in irrigation ditch at the toe of the landward slope (Permit No. 1507, 1959). Included in the 1960 O&M manual.					
FS Date: 3/13/2013					

Photo 1 of 1 : UCIP\_304.jpg



CMP Riser on shoulder and concrete distribution box under heavy blackberry cover at LS toe.

LM Start	20.96	Rating **	M	Issue No.	32
LM End	22.34	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.974042 °	38.989532 °
				-121.825713 °	-121.816695 °
DWR ID	DWR_NA0016_01_s _ 2012_32				
Action/Comments					
Ditch					

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	22.36	Rating **	A/W	Issue No.	30
LM End	22.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.989493 °	38.989712 °
				-121.816257 °	-121.810410 °
DWR ID	DWR_NA0016_01_s _ 2012_30				
Action/Comments					
Environmental Requirements.					

Photo 1 of 2 : johngw\_s\_20140414\_758.jpg



Revegetation site. Photo taken spring 2012.

LM Start	<b>22.36</b>	Rating **	A/W	Issue No.	<b>30 (cont)</b>
LM End	<b>22.68</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : johngw\_s\_20140414\_759.jpg



The revegetation site on the berm.

LM Start	22.97	Rating **	M	Issue No.	49
LM End	22.97	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.989862 °	38.989862 °
				-121.805243 °	-121.805243 °
DWR ID	DWR_NA0016_01_s _ 2014_49				
Action/Comments					
Inspector Comments: FS_ID:10266					

Photo 1 of 1 : UCIP\_311.jpg



Concrete pumphouse on WS berm.

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	23.69	Rating **	M	Issue No.	3
LM End	23.69	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.997696 °	38.998336 °
				-121.797584 °	-121.799298 °
DWR ID					
Action/Comments					
Inspector Comments: 2008 - Slippage of cobbles off hard underlying toe material. 2011 - Minor slumping site. 2012 - Failing cobble site, site extended upstream. 2013: No observed changes. [2013 Site ID: SAC_115-9_R]					

Photo 1 of 1 : USACE2013A\_SAC\_115-9\_R\_5.jpg



USACE 2013 Photo #1

LM Start	23.98	Rating **	M	Issue No.	50
LM End	23.98	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.998247 °	38.998247 °
				-121.800235 °	-121.800235 °
DWR ID	DWR_NA0016_01_s _ 2014_50				
Action/Comments					
Inspector Comments: FS_ID:10261					
EP_NO: 9374					
Repair Type:					
Crossing Status:					
UCIP Comments: Appears abandoned. Pipe should be properly abandoned.					
FIELD_STRUCT_DESC: 1 of 4: 36-inch corrugated metal pipe through levee 20.0 feet below crown. One corrugated metal cutoff wall installed by United States Army Corp of Engineers, 1955. Slide gate in 36-inch corrugated metal riser on the waterward slope. Pump on the waterward bank. Concrete standpipe at toe of the landward slope (ABO No. 9374, 1974). Originally included in the 1960 O&M manual.					
FS Date: 3/14/2013					

Photo 1 of 1 : UCIP\_305.jpg



abandoned pump platform on Rivers edge.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	25.02	Rating **	M	Issue No.	51
LM End	25.02	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.005097 °	39.005097 °
				-121.816116 °	-121.816116 °
DWR ID	DWR_NA0016_01_s_2014_51				
Action/Comments					
Inspector Comments: FS_ID:10265					
EP_NO: 9328					
Repair Type:					
Crossing Status:					
UCIP Comments: Appears abandoned. Needs to be abandoned properly.					
FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through levee 20.0 feet below crown. Slide gate in 36-inch corrugated metal riser unit on the waterward slope. 7'X9' Distribution box at toe of the landward slope (ABO. No. 9328, 1960)					
FS Date: 3/14/2013					

Photo 1 of 1 : UCIP\_308.jpg



7-foot by 9-foot distribution box at LS toe.

LM Start	25.13	Rating **	M	Issue No.	34
LM End	25.13	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.005240 °	39.005240 °
				-121.818123 °	-121.818123 °
DWR ID	DWR_NA0016_01_s_2012_34				
Action/Comments					
Landscaping					

Photo 1 of 1 : johngw\_s\_20140414\_763.jpg



The tall grasses blend with the groundcover on the levee slope. Photo taken spring 2012.

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	25.31	Rating **	M	Issue No.	52
LM End	25.31	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.006538 °	39.006538 °
				-121.821058 °	-121.821058 °
DWR ID	DWR_NA0016_01_s_2014_52				
Action/Comments					
Inspector Comments: FS_ID:10267					
EP_NO: 9330					
Repair Type:					
Crossing Status:					
UCIP Comments: Possible sink hole over pipe alignment on WS berm at rivers edge. general condition of pipe and appurtances in disrepair. FIELD_STRUCT_DESC: 10-inch pipe through levee 12.3 feet below crown. 6-inch pipe discharges into 10-inch pipe on waterward end, portable pump and gate valve on waterward side. Power pole and anchor on waterward shoulder and toe (ABO No. 9330, 1960). Originally included in the 1960 O&M manual.					
FS Date: 3/14/2013					

Photo 1 of 1 : UCIP\_312.jpg



Pump platform on WS slope..

LM Start	26.05	Rating **	M	Issue No.	7
LM End	26.05	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.014499 °	39.016401 °
				-121.825880 °	-121.824230 °
DWR ID					
Action/Comments					
Inspector Comments: 2008 - Whole bank is eroding, nearly vertical slope with cohesive toe. Bed is very deep along the toe (greater than 30 ft deep at 20 ft from the shore). 2011 - Some new minor erosion. 2013: No observed changes. [2013 Site ID: SAC_118-0_R]					

Photo 1 of 1 : USACE2013A\_SAC\_118-0\_R\_2.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	26.77	Rating **	M	Issue No.	53
LM End	26.77	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.023842 °	39.023842 °
				-121.823077 °	-121.823077 °
DWR ID	DWR_NA0016_01_s _ 2014_53				
Action/Comments					
Inspector Comments: FS_ID:10285					
EP_NO: 9136					
Repair Type:					
Crossing Status:					
UCIP Comments: Pipe appears to be abandoned. Pipe needs to be abandoned properly.					
FIELD_STRUCT_DESC: 18-inch steel pipe through levee 3.0 feet below crown. Steel cutoff wall at centerline. Air release valve on the waterward shoulder (Permit No. 9136, 1974). Slide gate in 72-inch diameter CMP riser on LS toe.					
FS Date: 3/14/2013					

Photo 1 of 1 : UCIP\_318.jpg



72-inch CMP riser on LS toe under JP next to tree.

LM Start	27.78	Rating **	M	Issue No.	55
LM End	27.78	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.033766 °	39.033766 °
				-121.833110 °	-121.833110 °
DWR ID	DWR_NA0016_01_s _ 2014_55				
Action/Comments					
Inspector Comments: FS_ID:10289					
EP_NO: 9368					
Repair Type:					
Crossing Status:					
UCIP Comments: Need to abandon pipe properly.					
FIELD_STRUCT_DESC: 24-inch steel pipe through levee 16.2 feet below crown (ABO No. 9368, 1960) Pump on the waterward bank. Gate valve on the landward end. Concrete box at the landward toe of the slope. Irrigation well 6 feet from toe of landward slope. Originally included in the 1960 O&M manual with the description standpipe on waterward side.					
FS Date: 3/14/2013					

Photo 1 of 1 : UCIP\_322.jpg



gate valve off landside toe.

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	27.79	Rating **	M	Issue No.	56
LM End	27.79	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.033814 °	39.033814 °
				-121.833158 °	-121.833158 °
DWR ID	DWR_NA0016_01_s _ 2014_56				
Action/Comments					
Inspector Comments: FS_ID:10290					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Appears this pipe is abandoned and visible on WS slope in pieces. Need to verify proper abandonment.					
FIELD_STRUCT_DESC: 24-inch pipe through levee 6.2 feet below crown. Originally included in the 1960 O&M manual. Pipe debris on WS slope.					
FS Date: 3/14/2013					

Photo 1 of 1 : UCIP\_324.jpg



Pipe debris on WS slope.

LM Start	27.87	Rating **	M	Issue No.	57
LM End	27.87	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.034870 °	39.034870 °
				-121.833501 °	-121.833501 °
DWR ID	DWR_NA0016_01_s _ 2014_57				
Action/Comments					
Inspector Comments: FS_ID:10291					
EP_NO: 9355					
Repair Type:					
Crossing Status:					
UCIP Comments: Pipe needs to be properly abandoned.					
FIELD_STRUCT_DESC: 24-inch steel pipe through levee 14.0 feet below crown. Slide gate on the waterward end, gate valve on the landward end (ABO No. 9355, 1960). Originally included in the 1960 O&M manual.					
FS Date: 3/14/2013					

Photo 1 of 1 : UCIP\_327.jpg



Gate valve buried on LS toe.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	28.35	Rating **	M	Issue No.	59
LM End	28.35	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.040750 °	39.040750 °
				-121.835299 °	-121.835299 °
DWR ID	DWR_NA0016_01_s _ 2012_59				
Action/Comments					
Debris					
Inspector Comments: piles of concrete					

Photo 1 of 2 : johngw\_s\_20140414\_766.jpg



Concrete debris is on the waterside levee slope. Fall 2011.

LM Start	<b>28.35</b>	Rating **	M	Issue No.	<b>59 (cont)</b>
LM End	<b>28.35</b>	Issue Type +	En	Location *	WS

Photo 2 of 2 : johngw\_s\_20140428\_875.jpg

Concrete debris that was on the levee slope is now on the berm area.  
Spring 2014

LM Start	28.95	Rating **	M	Issue No.	58
LM End	28.95	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.047758 °	39.047758 °
				-121.840914 °	-121.840914 °
DWR ID	DWR_NA0016_01_s _ 2014_58				
Action/Comments					
Inspector Comments: FS_ID:10305					

Photo 1 of 1 : UCIP\_328.jpg



gas well 1500-feet west of this location.

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	29.12	Rating **	M	Issue No.	61
LM End	29.12	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.050186 °	39.050186 °
				-121.841553 °	-121.841553 °
DWR ID	DWR_NA0016_01_s_2014_61				
Action/Comments					
Inspector Comments: FS_ID:10324					
EP_NO: 12609					
Repair Type:					
Crossing Status:					
UCIP Comments: Flap gate missing from waterward end of pipe.					
FIELD_STRUCT_DESC: 24-inch steel outfall pipe through levee 4.1					
feet below crown. Siphon breaker in 18-inch concrete riser on WS					
shoulder. Flap gate on discharge end of pipe 130 feet waterward of the					
centerline of the levee at elevation 41.5 feet, USED Datum, and the					
riverbank has rock protection at this location (Permit No. 12609, 1979).					
FS Date: 3/15/2013					

Photo 1 of 1 : UCIP\_331.jpg



18-inch concrete riser on WS shoulder.

LM Start	29.98	Rating **	M	Issue No.	10
LM End	29.98	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.063209 °	39.063997 °
				-121.838927 °	-121.839335 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Mass failure of the lower cohesive bank and toe. 2000 - Still eroding, steeply dipping foresets in the toe are falling off. 2010 - Some new erosion and some new deposition. Eddy current off the upstream rock. 2011 - Still plenty of berm left. 2013: No observed changes. [2013 Site ID: SAC_122-0_R]					

Photo 1 of 1 : USACE2013A\_SAC\_122-0\_R\_5.jpg



USACE 2013 Photo #1

* Location		** Rating		+ Issue Type	
LS : Land Side		A : Acceptable		Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable		Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable		En : Enforcement	
		N : Not Inspected/Rated			
		C : Corrected			
		A/W : Acceptable but Monitor & Maintain			



**Flood Control Project Maintenance  
Levee Inspections**

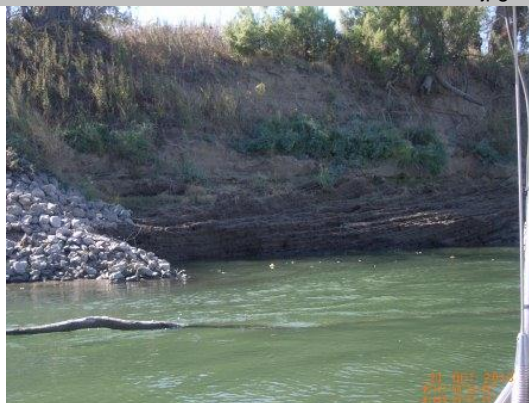
**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	30.35	Rating **	M	Issue No.	11
LM End	30.35	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.065886 °	39.066287 °
				-121.842950 °	-121.843602 °
DWR ID					
Action/Comments					
Inspector Comments: 2002 - Upstream end has recent slope failure and exposure of tree roots. 2003 - Some new minor slope erosion with new snags on the bank. 2004 - Appears a little worse. 2005 - Scallop in bank at the upstream end looks worse. 2009 - Minimal new erosion, Berm width is still large, but one large event or one fallen tree and it could go fast. 2010 - New erosion, bank is nearly all vertical from slumping. Site looks bad. 2011 - Site continues to look bad. 2012 - Minor new erosion. 2013: No observed changes. [2013 Site ID: SAC_122-3_R]					

Photo 1 of 1 : USACE2013A\_SAC\_122-3\_R\_6.jpg



USACE 2013 Photo #1

LM Start	30.44	Rating **	M	Issue No.	62
LM End	30.44	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.066748 °	39.066748 °
				-121.844987 °	-121.844987 °
DWR ID	DWR_NA0016_01_s_2014_62				
Action/Comments					
Inspector Comments: FS_ID:10325					
EP_NO: 14495					
Repair Type:					
Crossing Status:					
UCIP Comments: Pipe may need flap gate at water side.					
FIELD_STRUCT_DESC: 22-inch steel storm drain pipe through levee					
3.8 feet below crown. Pipe extends from existing pumphouse located					
at the landward toe through the levee to the low water channel Siphon					
breaker in 24-inch CMP riser on LS shoulder. (Permit No. 14495,					
1987). Replaced 12-inch and 16-inch pipes installed under Permit No.					
9358.					
FS Date: 3/15/2013					

Photo 1 of 1 : UCIP\_333.jpg



Pumphouse at LS toe.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2014

### Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	31.76	Rating **	M	Issue No.	12
LM End	31.78	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.066901 °	39.067004 °
				-121.867322 °	-121.866913 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Erosion into the levee section; old concrete rubble loss at toe; transition between the rock upstream and the cobble downstream. 2000 - Cohesive bench with concrete slabs on top; 25 ft deep scour hole on the downstream end. 2013: No observed changes. [2013 Site ID: SAC_123-7_R]					

Photo 1 of 1 : USACE2013A\_SAC\_123-7\_R\_3.jpg



USACE 2013 Photo #1

LM Start	32.00	Rating **	M	Issue No.	63
LM End	32.00	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.066163 °	39.066163 °
				-121.870198 °	-121.870198 °
DWR ID	DWR_NA0016_01_s_2014_63				
Action/Comments					
Inspector Comments: FS_ID:11543					
EP_NO: 9338					
Repair Type:					
Crossing Status:					
UCIP Comments: Pipe leaking at intake pipe on rivers edge below pump					
FIELD_STRUCT_DESC: 24-inch steel pipe through levee 24.0 feet					
below crown (ABO No. 9338, 1960). Slide gate in abandoned concrete					
pump house on the waterward slope. Three slant pumps mounted on					
pile structure on the waterward bank. 30-inch concrete pipe under the					
highway on the landside. 48-inch steel riser on the landside of highway.					
Overhead high tower power line crosses the levee. Power line has been					
run underground to service box on waterward shoulder at L.M. 32.01.					
Ramps on both slopes. Originally included in the 1960 O&M manual.					
FS Date: 3/15/2013					

Photo 1 of 1 : UCIP\_479.jpg



Concrete block house with slide gate inside.

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	32.01	Rating **	M	Issue No.	60
LM End	32.01	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.066147 °	39.066147 °
				-121.870425 °	-121.870425 °
DWR ID	DWR_NA0016_01_s _ 2012_60				
Action/Comments					
Building Inspector Comments: Old concrete pumphouse on shoulder open needs to be sealed up.					

Photo 1 of 1 : johngw\_s\_20140414\_767.jpg



Old concrete pump house on the waterside levee slope. Fall 2011.

LM Start	32.42	Rating **	A/W	Issue No.	41
LM End	32.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.069130 °	39.069130 °
				-121.876638 °	-121.876638 °
DWR ID	DWR_NA0016_01_s _ 2012_41				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	32.43	Rating **	M	Issue No.	42
LM End	32.56	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.069487 °	39.070063 °
				-121.876817 °	-121.879062 °
DWR ID	DWR_NA0016_01_s _ 2012_42				
Action/Comments					
Building Inspector Comments: Grimes Boat Landing					

No Photos

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	32.66	Rating **	M	Issue No.	64
LM End	32.66	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.069856 °	39.069856 °
				-121.880923 °	-121.880923 °
DWR ID	DWR_NA0016_01_s_2014_64				
Action/Comments					
Inspector Comments: FS_ID:10364					
EP_NO: 9374					
Repair Type:					
Crossing Status:					
UCIP Comments: Need to verify type of abandonment					
FIELD_STRUCT_DESC: 2 of 4: *Abandoned* 4-inch pipe through levee					
6.5 feet below crown. Gate valve on the waterward end. Siphon breaker					
in 24-inch corrugated metal riser unit on the landward slope. 4X4-					
concrete distribution box on south side of highway 45 at LS toe. (ABO					
No. 9374, 1960). Originally included in the 1960 O&M manual.					
FS Date: 3/15/2013					

Photo 1 of 1 : UCIP\_338.jpg



Siphon Breaker in 25-inch CMP riser on LS slope with 4X4 concrete box off LS toe.

LM Start	33.37	Rating **	M	Issue No.	43
LM End	33.37	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.074331 °	39.074331 °
				-121.891989 °	-121.891989 °
DWR ID	DWR_NA0016_01_s_2012_43				
Action/Comments					
Building					
Inspector Comments: This is the town of Grimes.					

No Photos

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

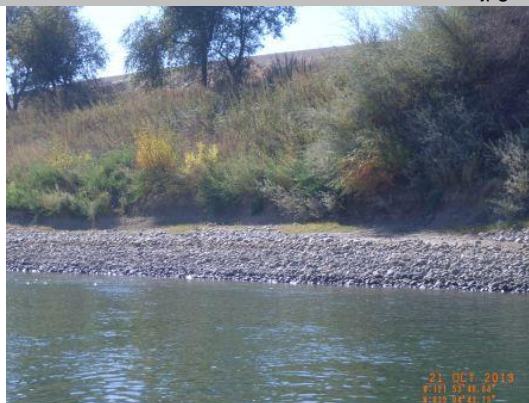
**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	33.64	Rating **	M	Issue No.	13
LM End	33.64	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.078340 °	39.079351 °
				-121.894656 °	-121.895317 °
DWR ID					
Action/Comments					
Inspector Comments: 2008 - Slow erosion of the hard toe. 2010 - Cobble rubble is failing, erosion is into the toe of the levee, with vertical slumping.2012 - Site appears to be relatively stable. 2013: New animal holes. [2013 Site ID: SAC_125-6_R]					

Photo 1 of 1 : USACE2013A\_SAC\_125-6\_R\_5.jpg



USACE 2013 Photo #1

LM Start	34.42	Rating **	M	Issue No.	65
LM End	34.42	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.087071 °	39.087071 °
				-121.896463 °	-121.896463 °
DWR ID	DWR_NA0016_01_s_2014_65				
Action/Comments					
Inspector Comments: FS_ID:10403					
EP_NO: 9364A					
Repair Type:					
Crossing Status:					
UCIP Comments: Pipe rusted through at concrete distribution box. May be indicator of pipe condition through levee.					
FIELD_STRUCT_DESC: 1 of 4: 16-inch steel pipe through levee 6.3 feet below crown (ABO No. 9364A, 1945). Pump in pump house on the waterward end. Siphon breaker in 36-inch steel riser unit on the landward slope. Discharges into 5X9 Concrete distribution box at LS toe. Installed by United States Army Corp of Engineers, 1945. Included in the 1960 O&M manual.					
FS Date: 3/18/2013					

Photo 1 of 1 : UCIP\_341.jpg



Pump at WS berm.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	34.93	Rating **	M	Issue No.	89
LM End	34.93	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.094270 °	39.094270 °
				-121.894837 °	-121.894837 °
DWR ID	DWR_NA0016_01_s_2014_89				
Action/Comments					
Tree or limb					

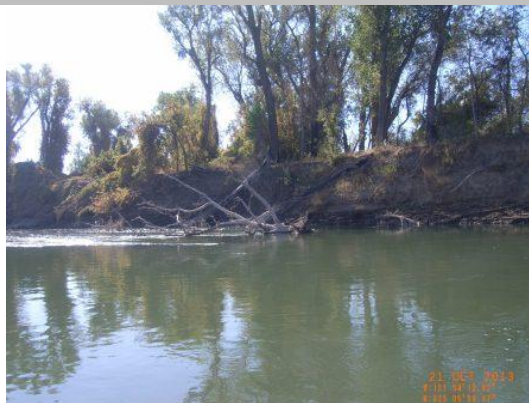
Photo 1 of 1 : johngw\_s\_20140428\_877.jpg



A tree split in half and needs to be removed. Spring 2014

LM Start	35.71	Rating **	M	Issue No.	17
LM End	35.72	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.100836 °	39.099482 °
				-121.904320 °	-121.903430 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - Major scour off the downstream end of existing rock, creating a scour pocket where the levee starts diverging from the bankline. 2000 - Some minor erosion, 20 ft deep hole at downstream end. 2004 - Small amount of new erosion. 2010 - Bad transition off downstream end of rock revetment, some new erosion. 2012 - Site extended downstream, minor new erosion. 2013: Minor new erosion. [2013 Site ID: SAC_127-9_R]					

Photo 1 of 1 : USACE2013A\_SAC\_127-9\_R\_5.jpg



USACE 2013 Photo #1

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	36.00	Rating **	M	Issue No.	66
LM End	36.00	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.103532 °	39.103532 °
				-121.906813 °	-121.906813 °
DWR ID	DWR_NA0016_01_s _ 2014_66				
Action/Comments					
Inspector Comments: FS_ID:10424					
EP_NO: 9364A					
Repair Type:					
Crossing Status:					
UCIP Comments: Need to verify type of abandonment.					
FIELD_STRUCT_DESC: 3 of 4: 18-inch steel pipe through levee 16.0 feet below crown. Metal cutoff wall. Gate valve on the waterward bank. Siphon breaker in 24-inch corrugated metal riser unit on the landward shoulder. (ABO No. 9364A, 1960). Originally included in the 1960 O&M manual.					
FS Date: 3/18/2013					

Photo 1 of 1 : UCIP\_342.jpg



Siphon breaker in 24-inch CMP riser on LS shoulder.

LM Start	36.00	Rating **	M	Issue No.	67
LM End	36.00	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.103532 °	39.103532 °
				-121.906813 °	-121.906813 °
DWR ID	DWR_NA0016_01_s _ 2014_67				
Action/Comments					
Inspector Comments: FS_ID:10425					
EP_NO: 9364					
Repair Type:					
Crossing Status:					
UCIP Comments: Remove abandoned pipe from levee.					
FIELD_STRUCT_DESC: 4 of 4: *Abandoned* 1.25-inch conduit through					
levee 3.0 feet below crown (ABO No. 9364A).					
FS Date: 3/18/2013					

Photo 1 of 1 : UCIP\_344.jpg



Electrical conduit on WS shoulder.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	36.60	Rating **	M	Issue No.	68
LM End	36.60	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.111233 °	39.111233 °
				-121.911450 °	-121.911450 °
DWR ID	DWR_NA0016_01_s _ 2014_68				
Action/Comments					
Inspector Comments: FS_ID:10426					
EP_NO: 9374					
Repair Type:					
Crossing Status:					
UCIP Comments: Verify if pipe is abandoned with landowner and remove or abandon properly if necessary.					
FIELD_STRUCT_DESC: 3 of 3: *Abandoned* 24-inch concrete encased steel drain pipe through levee 17.0 feet below crown. Slide gate on concrete headwalls in waterward end, walkway to control gate and gate valve on landward end (ABO No. 9374, 1960). Originally included in the 1960 O&M manual.					
FS Date: 3/18/2013					

Photo 1 of 1 : UCIP\_347.jpg



Slide gate on WS toe.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	36.69	Rating **	M	Issue No.	69
LM End	36.69	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.112377 °	39.112377 °
				-121.912286 °	-121.912286 °
DWR ID	DWR_NA0016_01_s_2014_69				
Action/Comments					
Inspector Comments: FS_ID:10444					
EP_NO: 9374					
Repair Type:					
Crossing Status:					
UCIP Comments: Pipe should be abandoned properly.					
FIELD_STRUCT_DESC: 4 of 4: 24-inch corrugated metal pipe through					
levee 15.5 feet below crown (ABO No. 9374, 1974). Two corrugated					
metal cutoff walls. Slide gate in 36-inch corrugated metal riser unit on					
the waterward slope. Pump house with no connection on waterward					
bank. 12-inch steel pipe with steel plate over end at WS toe (likely					
pump connection point). 6-foot diameter concrete riser on LS toe. Skid					
rails mounted on wood piling on the waterward slope. Department of					
Water Resources B.M. SR 47 on top of concrete anchor post on the					
waterward shoulder. Power pole and meter box on the waterward					
shoulder. Switch panel in metal house on the waterward slope.					
Concrete standpipe on the landward side. Overhead power line crosses					
the levee to service pole.					
FS Date: 3/18/2013 7:51:00 AM					

Photo 1 of 1 : UCIP\_349.jpg



Pump house, JP, and wooden ramp on WS slope.

LM Start	37.53	Rating **	A/W	Issue No.	33
LM End	37.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.120977 °	39.121543 °
				-121.919843 °	-121.921245 °
DWR ID	DWR_NA0016_01_s_2012_33				
Action/Comments					
Environmental Requirements.					

Photo 1 of 2 : johngw\_s\_20140414\_761.jpg



Revegetation site. Photo taken spring 2012.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	37.53	Rating **	A/W	Issue No.	33 (cont)
LM End	37.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.120977 °	39.121543 °
				-121.919843 °	-121.921245 °
DWR ID	DWR_NA0016_01_s _ 2012_33				
Action/Comments					
Environmental Requirements.					

Photo 2 of 2 : johngw\_s\_20140414\_762.jpg



The revegetation on the berm with the fence and stakes.

LM Start	40.43	Rating **	M	Issue No.	70
LM End	40.43	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.143387 °	39.143387 °
				-121.927196 °	-121.927196 °
DWR ID	DWR_NA0016_01_s _ 2014_70				
Action/Comments					
Inspector Comments: FS_ID:11343					
EP_NO: 9352					
Repair Type:					
Crossing Status:					
UCIP Comments: Pipe should be removed.					
FIELD_STRUCT_DESC: 1.5-inch galvanized iron electrical conduit					
through the levee at unknown depth. Visible on WS slope.					
FS Date: 3/21/2013					

Photo 1 of 1 : UCIP\_456.jpg



Electrical conduit approximately perpendicular to concrete riser on LS toe.

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	40.43	Rating **	M	Issue No.	71
LM End	40.43	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.143387 °	39.143387 °
				-121.927196 °	-121.927196 °
DWR ID	DWR_NA0016_01_s _ 2014_71				
Action/Comments					
Inspector Comments: FS_ID:10528					
EP_NO: 9352					
Repair Type:					
Crossing Status:					
UCIP Comments: Pipe appears to have been removed from levee section. Need to verify pipe abandonment.					
FIELD_STRUCT_DESC: 12 inch steel pipe through levee 5.0 feet below crown. Switch house on waterward shoulder, pump and gate valve on waterward bank. Concrete discharge standpipe on landward side (ABO No. 9351, 1960). Originally included in the 1960 O&M manual.					
FS Date: 3/21/2013					

No Photos

LM Start	40.94	Rating **	M	Issue No.	72
LM End	40.94	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.143838 °	39.143838 °
				-121.919338 °	-121.919338 °
DWR ID	DWR_NA0016_01_s _ 2014_72				
Action/Comments					
Inspector Comments: FS_ID:10527					
EP_NO: 12799					
Repair Type:					
Crossing Status:					
UCIP Comments: Pipe appears abandoned. Need to verify type of abandonment					
FIELD_STRUCT_DESC: 18-inch steel pipe through levee 6.5 feet below crown. 30-inch CMP standpipe on LS toe. Pump on the waterward toe. Vent in 12-inch CMP riser on the WS shoulder. (Permit No. 12799, 1979).					
FS Date: 3/21/2013					

Photo 1 of 1 : UCIP\_353.jpg



30-inch CMP riser with slide gate at LS toe.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	41.40	Rating **	M	Issue No.	73
LM End	41.40	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.150054 °	39.150054 °
				-121.918717 °	-121.918717 °
DWR ID	DWR_NA0016_01_s _ 2014_73				
Action/Comments					
Inspector Comments: FS_ID:10533					
EP_NO: 9351					
Repair Type:					
Crossing Status:					
UCIP Comments: Appears abandoned. Should be abandoned properly.					
FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through levee					
17.5 feet below crown. Slide gate on the waterward end. Discharges					
into concrete box at the landward toe (ABO No. 9351, 1960). Small					
pump discharges into sump area in front of slide gate at WS toe.					
FS Date: 3/21/2013					

Photo 1 of 1 : UCIP\_360.jpg



Slide gate at WS toe.

LM Start	42.37	Rating **	M	Issue No.	74
LM End	42.37	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.158648 °	39.158648 °
				-121.932428 °	-121.932428 °
DWR ID	DWR_NA0016_01_s _ 2014_74				
Action/Comments					
Inspector Comments: FS_ID:10536					
EP_NO: 9341					
Repair Type:					
Crossing Status:					
UCIP Comments: Appears abandoned. Needs to be abandoned properly.					
FIELD_STRUCT_DESC: 30-inch pipe through levee 19.5 feet below crown. Slide gate in 36-inch corrugated metal pipe riser on the waterward slope (ABO No. 9341, 1960)					
FS Date: 3/21/2013					

Photo 1 of 1 : UCIP\_365.jpg



Slide gate in CMP riser on WS toe.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	43.39	Rating **	M	Issue No.	19
LM End	43.39	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.172501 °	39.174949 °
				-121.939053 °	-121.940737 °
DWR ID					
Action/Comments					
Inspector Comments: 2010 - Lower portion of 136.7 that did not extend far enough. Abrupt transition from upstream site. 2012 - Site extended upstream, minor new erosion. 2013: Minor new erosion at the toe.					
New tree popouDownstream limit extended. [2013 Site ID: SAC_136-6_R]					

Photo 1 of 1 : USACE2013A\_SAC\_136-6\_R\_5.jpg



USACE 2013 Photo #1

LM Start	43.76	Rating **	M	Issue No.	46
LM End	43.76	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.176429 °	39.176429 °
				-121.942889 °	-121.942889 °
DWR ID	DWR_NA0016_01_s_2012_46				
Action/Comments					
Fence					

Photo 1 of 1 : johngw\_s\_20140414\_764.jpg



A solid fence along the toe of the levee. Photo taken spring 2012.

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	46.55	Rating **	M	Issue No.	75
LM End	46.55	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.187497 °	39.187497 °
				-121.962074 °	-121.962074 °
DWR ID	DWR_NA0016_01_s _ 2014_75				
Action/Comments					
Inspector Comments: FS_ID:10545					
EP_NO: 15763					
Repair Type:					
Crossing Status:					
UCIP Comments: Fresno valve on WS shoulder is broken. Pipe appears to be abandoned. Need to abandon properly if necessary.					
FIELD_STRUCT_DESC: 4-inch galvanized steel irrigation pipe through levee 2.0 feet below crown. Irrigation valve approx. 50 feet landward of the landward levee toe. Fresno valve on WS shoulder with connection for pump at WS berm. (Permit No. 15763, 1992).					
FS Date: 3/22/2013					

Photo 1 of 1 : UCIP\_371.jpg



Broken fresno valve on WS shoulder

LM Start	46.90	Rating **	M	Issue No.	76
LM End	46.90	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.186111 °	39.186111 °
				-121.968069 °	-121.968069 °
DWR ID	DWR_NA0016_01_s _ 2014_76				
Action/Comments					
Inspector Comments: FS_ID:10550					
EP_NO: 9349					
Repair Type:					
Crossing Status:					
UCIP Comments: Possible sink hole along alignment 10-feet LS of siphon breaker on LS slope.					
FIELD_STRUCT_DESC: 18-inch steel pipe through levee 3.0 feet below crown. Pump mounted on piling structure on the waterward bank. Switch box on the waterward shoulder and siphon breaker in 30-inch CMP riser on LS shoulder. Discharges into concrete box at toe of the landward slope (ABO No. 9349, 1974). Design drawings available in Permit No. 5551, 1968. Fish screen installed under permit No. 17222.					
FS Date: 3/22/2013					

Photo 1 of 1 : UCIP\_373.jpg



Pumping plant on WS berm

* Location		** Rating		+ Issue Type	
LS : Land Side		A : Acceptable		Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable		Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable		En : Enforcement	
		N : Not Inspected/Rated			
		C : Corrected			
		A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	47.57	Rating **	M	Issue No.	54
LM End	47.57	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.188577 °	39.188577 °
				-121.979388 °	-121.979388 °
DWR ID	DWR_NA0016_01_s _ 2012_54				
Action/Comments					
Landscaping Inspector Comments: Cactus on slope and toe of levee, landscape continues along roadway with fence and stairs.					

Photo 1 of 1 : johngw\_s\_20140414\_765.jpg



The front yard along the road and on the levee slope. Photo taken spring 2012.

LM Start	47.71	Rating **	M	Issue No.	77
LM End	47.71	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.189783 °	39.189783 °
				-121.981548 °	-121.981548 °
DWR ID	DWR_NA0016_01_s _ 2014_77				
Action/Comments					
Inspector Comments: FS_ID:10553					
EP_NO: 9347					
Repair Type:					
Crossing Status:					
UCIP Comments: Need to verify type of abandonment.					
FIELD_STRUCT_DESC: 1 of 2: 24-inch pipe through levee 25.5 feet below crown. 14-inch pipe sleeved through this pipe. Annular space grouted. Pump in pump house on the landward side. Gate valve in pump house (ABO No. 9347, 1960). Originally included in the 1960 O&M manual.					
FS Date: 3/22/2013					

Photo 1 of 1 : UCIP\_377.jpg



Possible location for pipe crossing.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	47.74	Rating **	A/W	Issue No.	90
LM End	48.17	Issue Type +	Ob	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.189930 °	39.193491 °
				-121.982143 °	-121.988184 °
DWR ID	DWR_NA0016_01_s_2014_90				
Action/Comments					
Environmental Requirements.					

Photo 1 of 1 : johngw\_s\_20140428\_876.jpg



A revegetation site along the waterside berm. Spring 2014

LM Start	48.05	Rating **	M	Issue No.	20
LM End	48.05	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.193769 °	39.195595 °
				-121.987901 °	-121.988621 °
DWR ID					
Action/Comments					
Inspector Comments: 2010 - Old cobble site starting to unravel at toe. 2011 - Cobbles continue to unravel. 2013: Site extended downstream to revetment. [2013 Site ID: SAC_141-5_R]					

Photo 1 of 1 : USACE2013A\_SAC\_141-5\_R\_6.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	48.27	Rating **	M	Issue No.	78
LM End	48.27	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.194772 °	39.194772 °
				-121.988886 °	-121.988886 °
DWR ID	DWR_NA0016_01_s _ 2014_78				
Action/Comments					
Inspector Comments: FS_ID:10563					
EP_NO: 9347					
Repair Type:					
Crossing Status:					
UCIP Comments: Need to determine type of abandonment.					
FIELD_STRUCT_DESC: 2 of 2: *Removed*16-inch steel pipe through					
levee 17.3 feet below crown. Gate valve on the waterward end. Pump					
on the waterward bank. Switch box on the waterward shoulder. (ABO					
No. 9347,1960). Originally included in the 1960 O&M manual.					
FS Date: 3/22/2013					

Photo 1 of 1 : UCIP\_378.jpg



JP on WS shoulder for removed pump switch house.

LM Start	48.94	Rating **	M	Issue No.	79
LM End	48.94	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.203761 °	39.203761 °
				-121.985220 °	-121.985220 °
DWR ID	DWR_NA0016_01_s _ 2014_79				
Action/Comments					
Inspector Comments: FS_ID:10566					
EP_NO: 9343					
Repair Type:					
Crossing Status:					
UCIP Comments: Pipe appears to be abandoned. Need to verify type of abandonment.					
FIELD_STRUCT_DESC: 2 of 2: 24-inch pipe through levee 15.5 feet below crown (pipe measures 12-inch on LS toe). Slant pump on steel piling structure on the waterward bank. Butterfly valve at toe of the landward slope. Overhead power line crosses the levee. (ABO No. 9343, 1960) Originally included in the 1960 O&M manual.					
FS Date: 3/22/2013					

Photo 1 of 1 : UCIP\_382.jpg



Siphon Breaker in 30-inch CMP riser on LS shoulder and butterfly valve at LS toe.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2014**

**Sacramento River West Side Levee District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	04/24/2014 04/24/2014	John Williamson

LM Start	50.03	Rating **	M	Issue No.	21
LM End	50.03	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.213608 °	39.213869 °
				-121.997543 °	-121.999641 °
DWR ID					
Action/Comments					
Inspector Comments: 2011 - Multiple scallops, one tree pop out. Old cobble site starting to unravel at midbank. 2012 - Mid bank slumping continues to worsen but cobble at the toe appears stable2013: No observed changes. [2013 Site ID: SAC_143-5_R]					

Photo 1 of 1 : USACE2013A\_SAC\_143-5\_R\_8.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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